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CLAIMS

1. A moving carrier that sticks to the surface of an object by use of a sticking means, such as negative pressure, comprising: a moving means consisting of at least two sets of driving wheels or one set of caterpillar on each of its right and left sides relative to its traveling direction; such moving means being so constructed as to serve as a driving and moving means by way of being connected to a driving source; one contact area, randomly selected from among a number of contact areas between the driving and moving means and the traveling surface on one side randomly selected from the right and the left sides of the moving carrier relative to its traveling direction, being situated in the vicinity of the center of certain sticking force acting on the moving carrier so that the contact pressure at the area where the randomly selected contact area and the traveling surface are in contact with each other is greater than the contact pressures of the area where the other contact areas and the traveling surface are in contact with each other in order to achieve the reduction of the friction resistance at the other contact areas, and not the randomly selected contact area, and the other contact areas being situated away from the center of the sticking force; and the other contact areas being caused to slide sideways when the moving carrier gyrates with the randomly selected contact area as the pivot.

2. The moving carrier that sticks to the surface of an object by use of a sticking means, such as negative pressure, described in Claim 1 above, additionally comprising a means whereby the rotation of the driving and moving means located at the randomly selected contact area is stopped and, at the same time, the rotation of all the other driving and moving means installed at the other side are started, with respect to the moving means that causes the moving carrier to make transverse or broadwise movements in the direction transecting its traveling direction.

3. The moving carrier that sticks to the surface of an object by use of a sticking means, such as negative pressure, described in Claims 1 and 2 above, additionally comprising a fixed frame and an oscillating frame each of which is equipped with a driving means comprising two sets of driving wheels or one set of caterpillar.